



iPE Exhaust

Automotive exhaust system engineering

Ferrari Portofino

Product installation instruction

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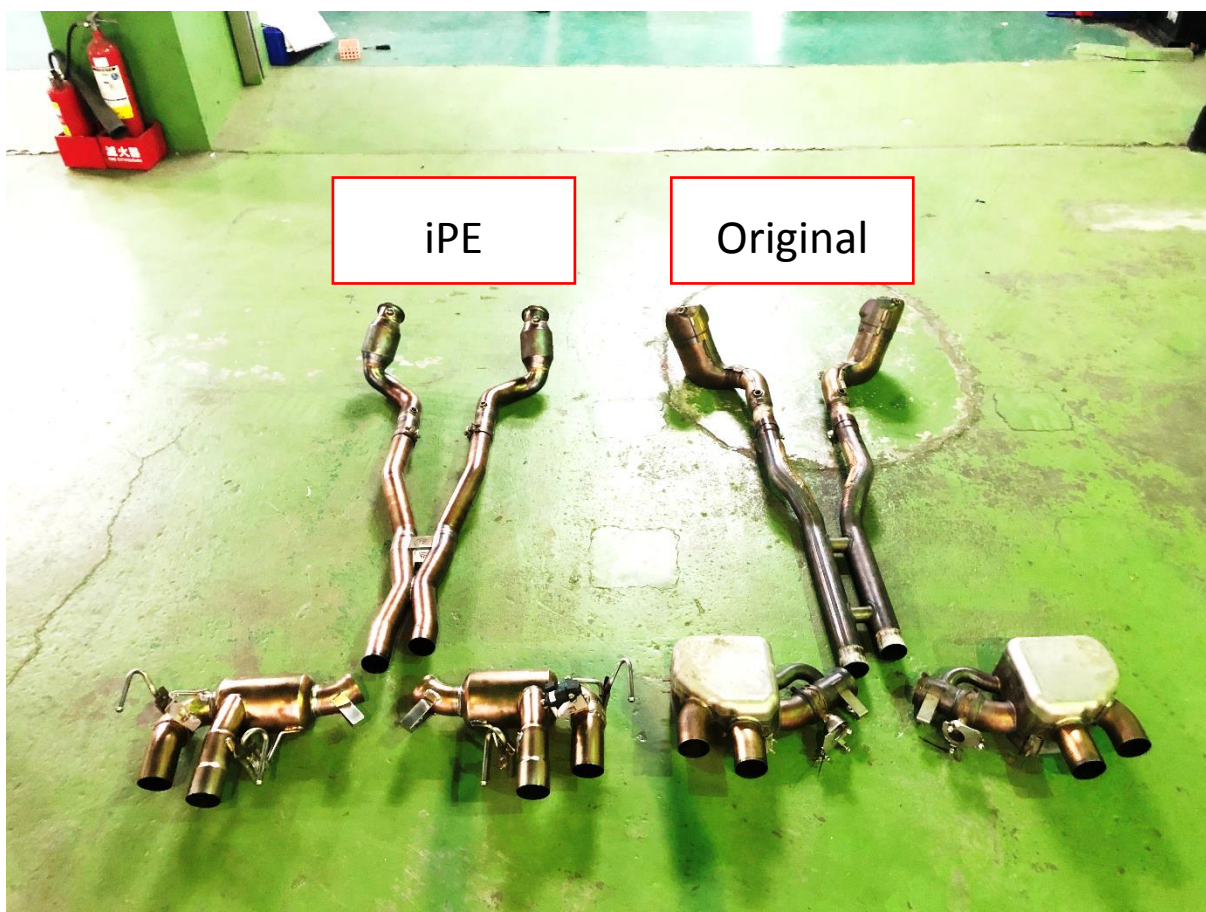
1.Important information

- i. Please read the installation manual before installing the iPE exhaust.
- ii. Please install by the technician of the car exhaust system or familiar with the iPE exhaust system.
- iii. This manual provides detailed installation instructions to ensure proper use and disassembly that the iPE exhaust is properly installed and used. If improper use and disassembly, the company does not assume any responsibility for loss and personal injury.
- iv. When installing the iPE exhaust system, please lock according to the torque value of the manual to avoid abnormal damage to the screws and nuts.
- v. If the exhaust pipe of the car still at a high temperature, please wear insulated gloves for the exhaust pipe installation work, or install it after cooling down.
- vi. Before starting, be sure to wipe off the oil on the exhaust pipe to avoid burning and high temperature.
- vii. The iPE exhaust system is designed according to the original engine data. If the computer is upgraded to change the engine parameters, the exhaust pipe may generate resonance, resonance or other abnormal sound. iPE can provide a modified version of the exhaust pipe for such vehicles.
- viii. If you have any questions about this installation instruction or use of the iPE exhaust system, please contact your local iPE dealer or contact us at info@ipe-f1.com.

2. Tools required for the installation

Tool name	Tool appearance
Rust inhibitor / lubricant	
Hexagon socket 10 、 12 、 13 、 14mm	
Outer hex wrench 12 、 13 、 14mm	
Torque wrench	
Star screwdriver	
Word screwdriver	
Star socket	

3. Ferrari Portofino product assembly



4. Steps to remove the original exhaust and related key point

Lift up the vehicle to the working position.

1. Remove the both side rear wheels and inner wheel arches. (Fig.1)



Fig. 1

Warning: Please put in park before lifting up, clear the surrounding area and pay attention to the height to ensure the safety of people and vehicles!

2. Loosened the screws of muffler's lower guard, then remove the left and right muffler connecting rods on the inner side of the lower guard. (Fig 2)



Fig. 2

Warning: Do NOT use organic solvents such as lubricants or rust remover when the exhaust pipe with high temperature.

3. Remove the muffler by dismantling entryway of muffler (Fig 3A), gateway bushes (Fig 4B) and clamps (Fig 3B).

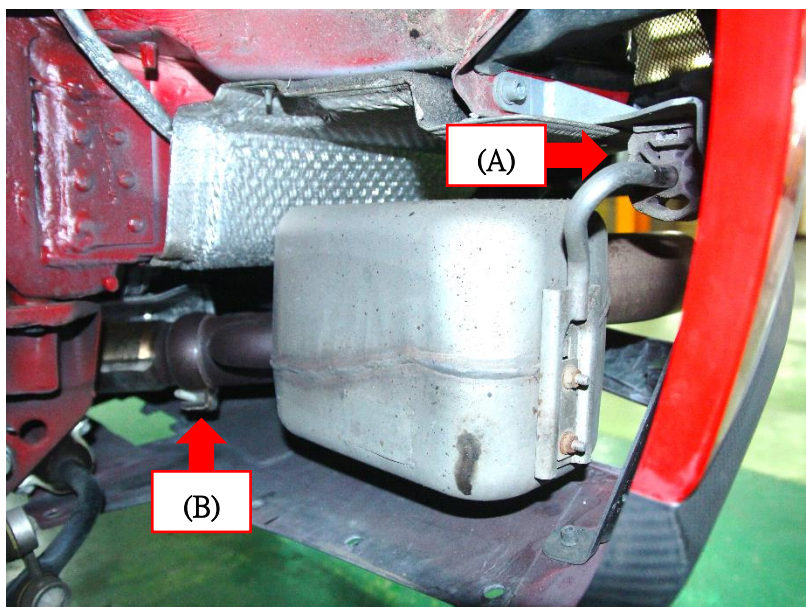


Fig. 3

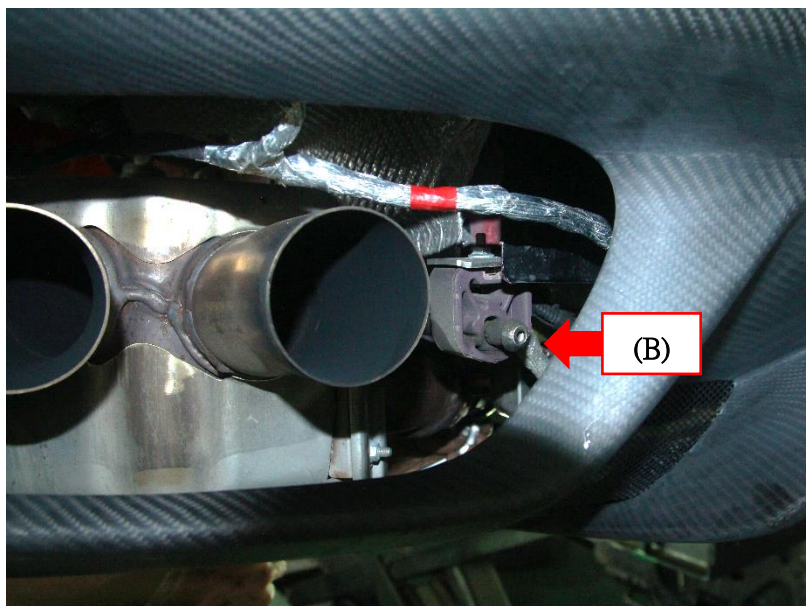


Fig. 4

4. Remove the motor from the original muffler. (Fig 5)
5. Remove the original tips. (Fig 6)

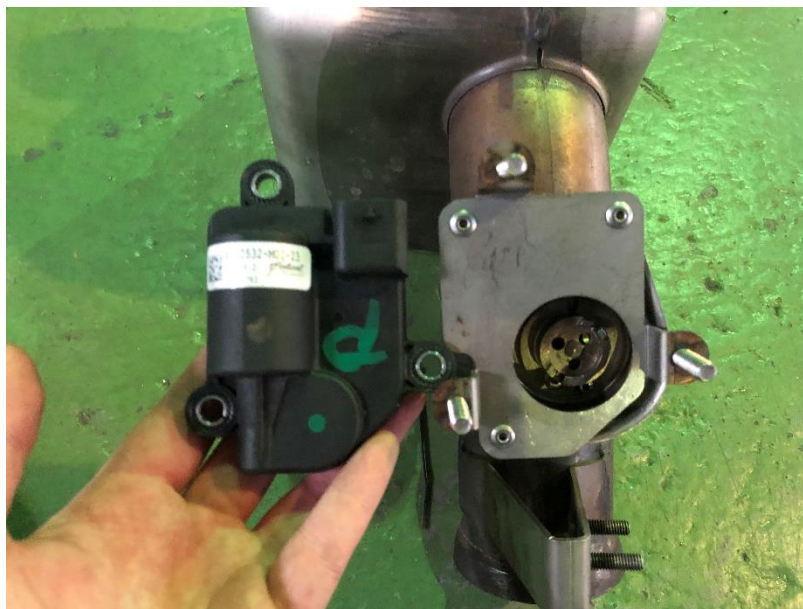


Fig. 5



Fig. 6

6. Remove bushes from the front of the muffler and move them backward so that have space to remove the mid pipe. (Fig 7)

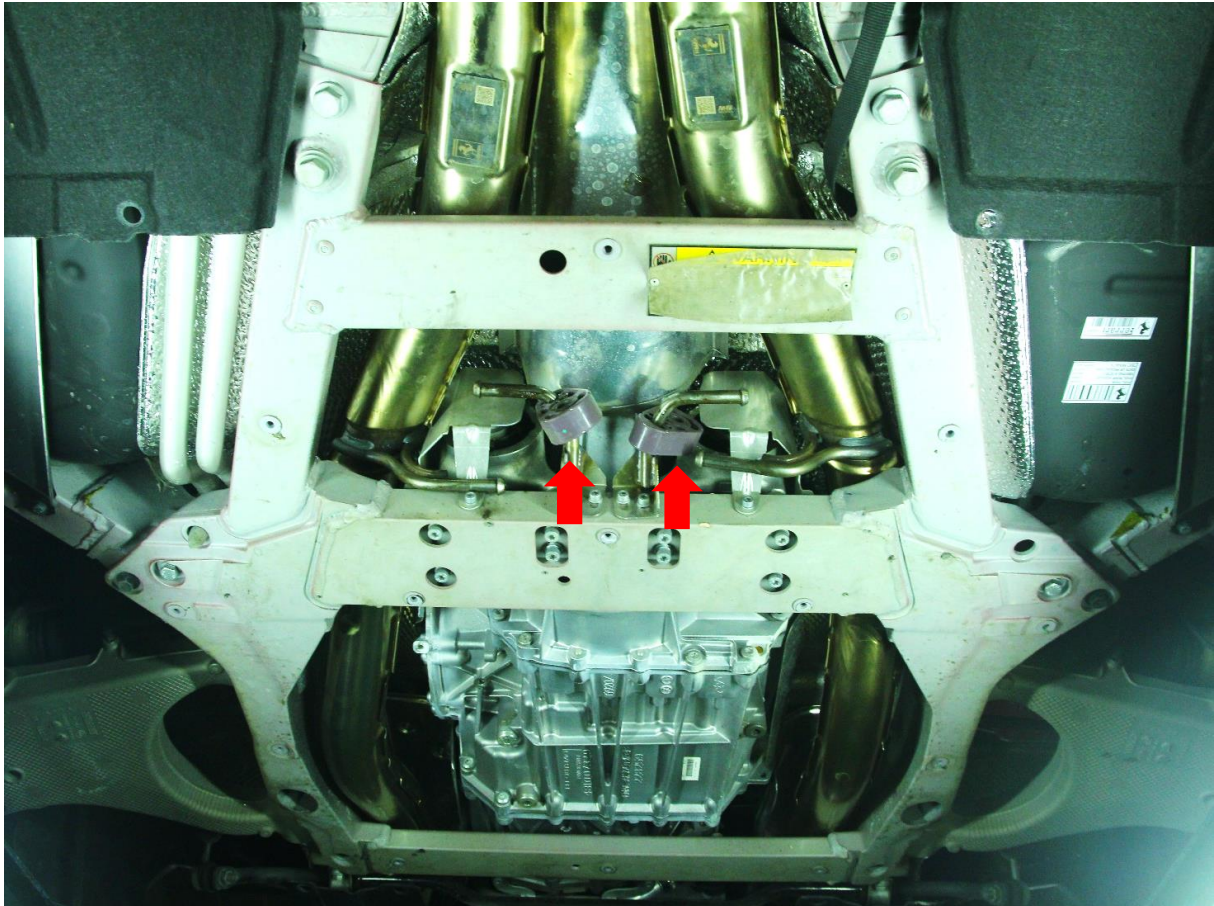


Fig. 7

7. Loosened the clamps of entryway and gateway in mid pipe. (Fig 8,9)
8. Take the muffler forward pipe and move it backwards, loosen the screw on the mid pipe, and then remove the mid pipe. (Fig 8)

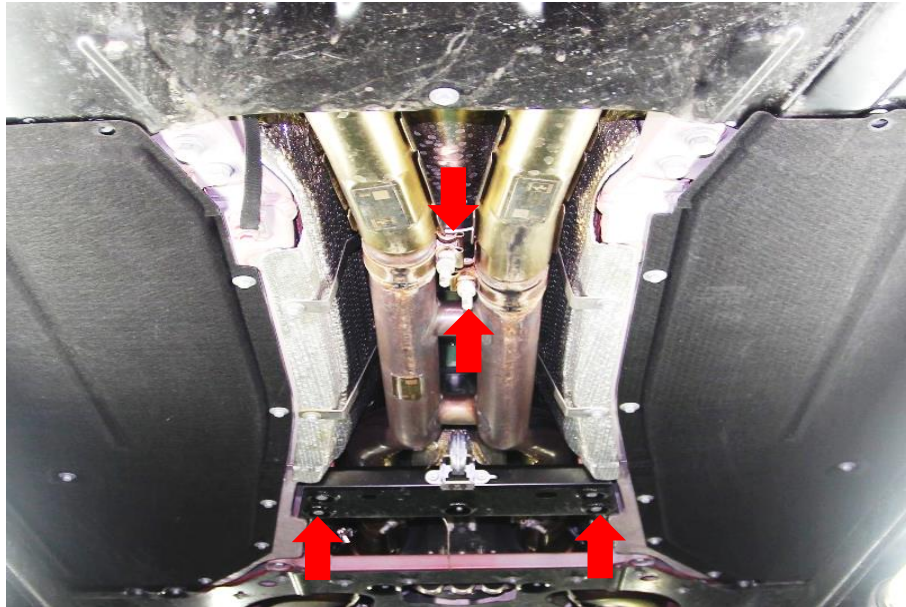


Fig. 8

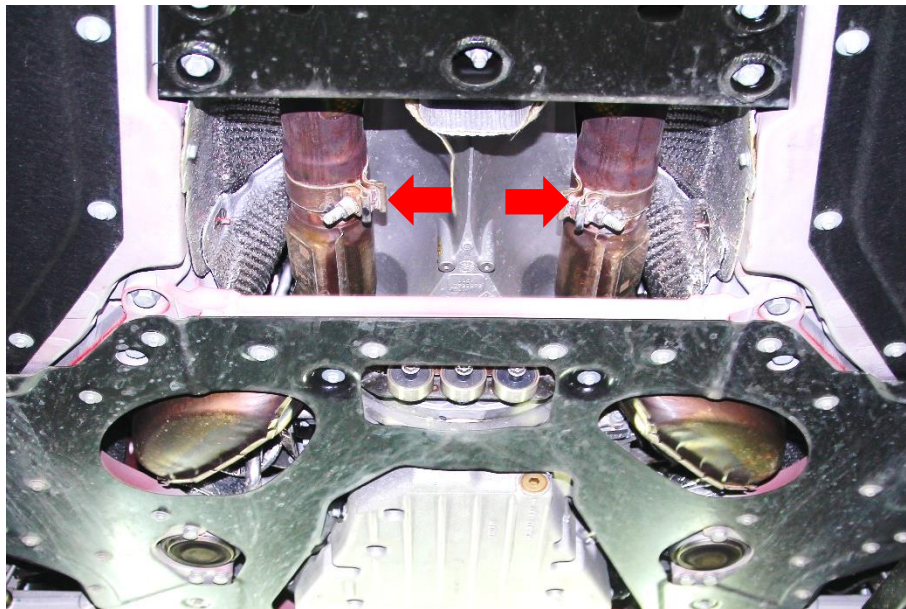
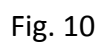


Fig. 9



5. Steps and focused points for installing the iPE exhaust

1. Install the cat pipe oxygen sensor.
2. Install the cat pipe, lock the front clamps first, then install and adjust the mid pipe. (Fig 11)

Warning: lock these screws with proper torque setting.

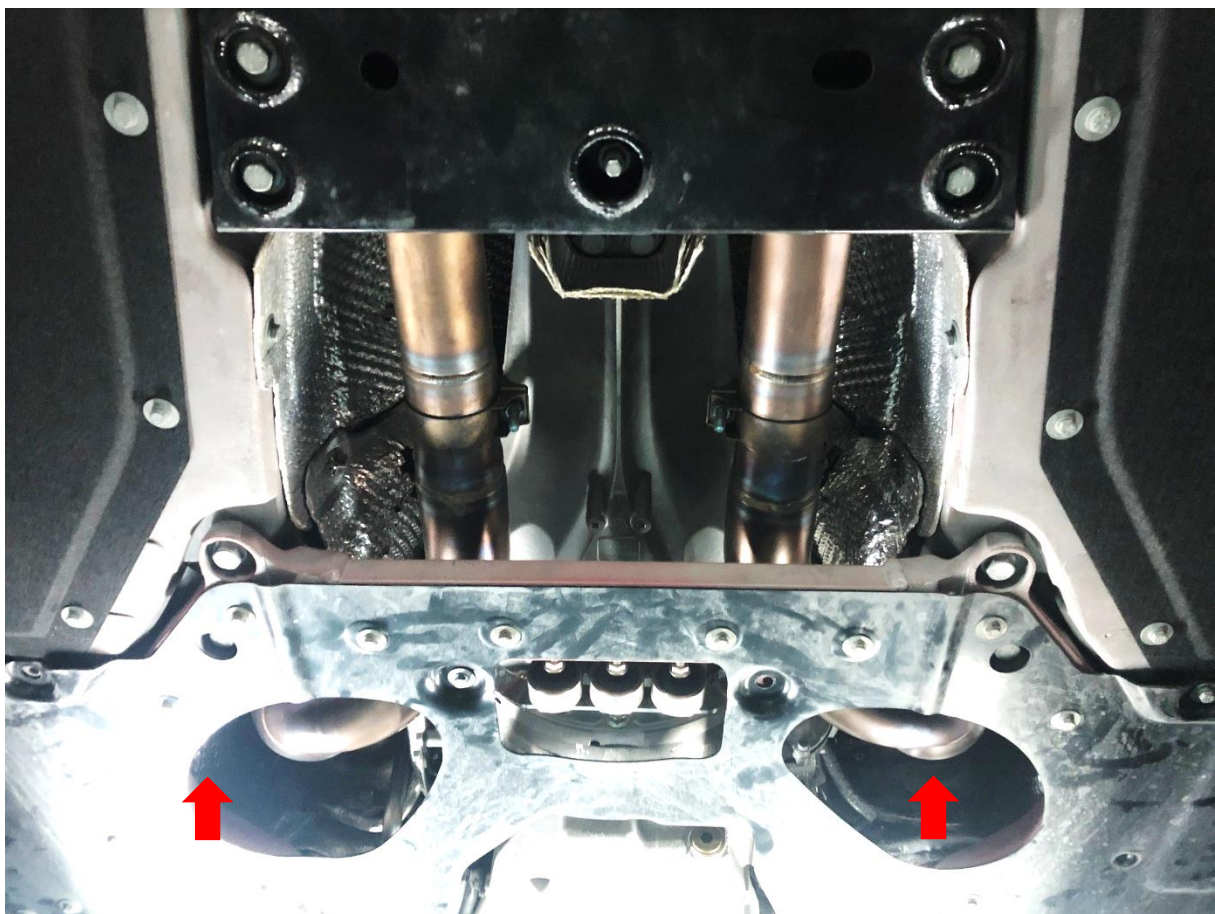


Fig. 11

3. After the mid pipe is installed, adjust the clamps and lock it. (Fig 12)
4. Lock the sway bar back to its original position.

Warning: lock these screws with proper torque setting.

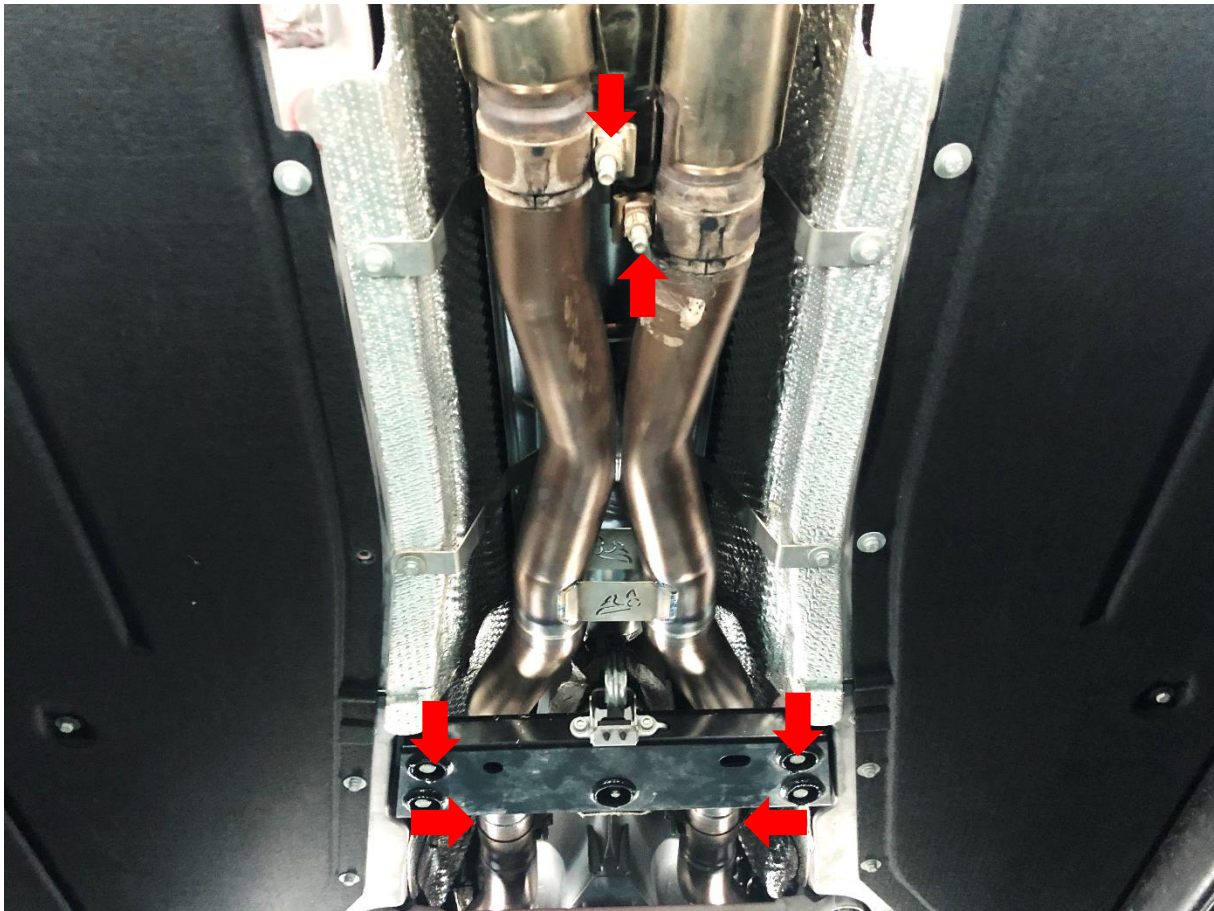


Fig. 12

5. Install the tips from the inside out, and fix the screws (Fig 13)

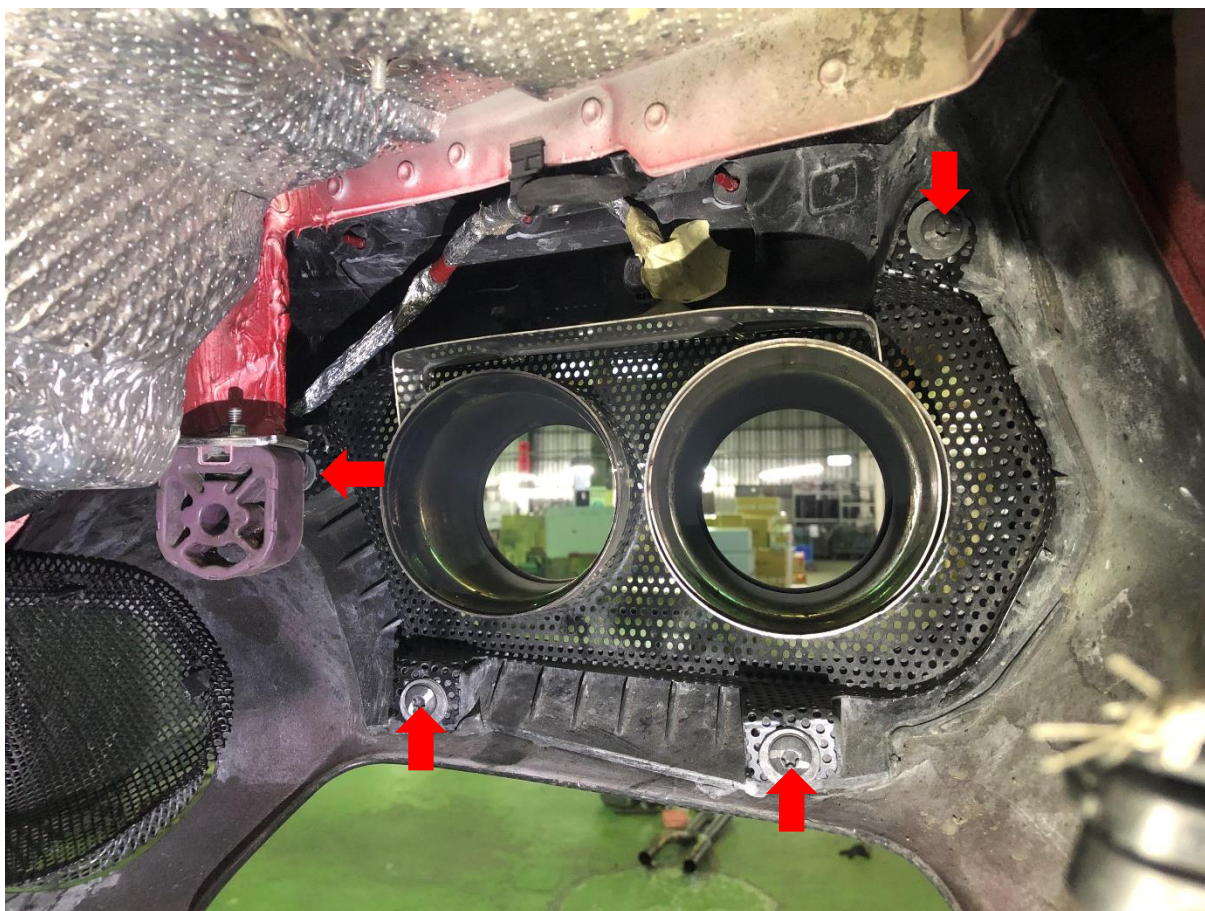


Fig. 13

6. Put the original muffler motor back onto the iPE muffler. (Fig 14)
7. After installing the muffler, fix the bushes.
8. Make sure the muffler outlet and tips remain centered. (Fig 15)
9. After adjusting the muffler to position, lock the clamps. (Fig 16)
10. Plug the original motor cable connector.

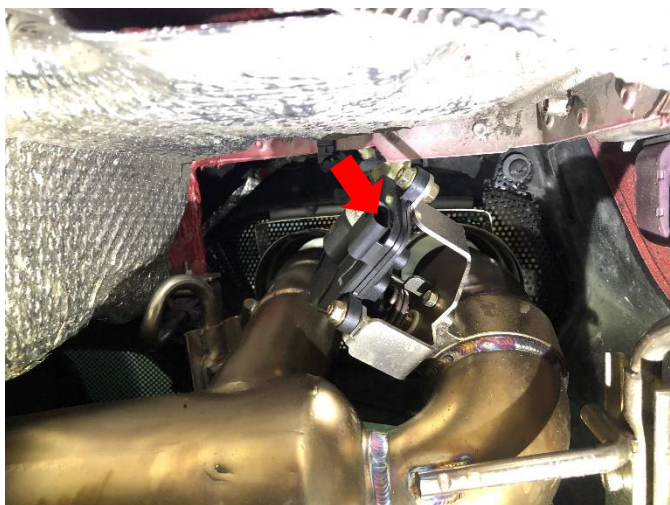


Fig. 14



Fig. 15

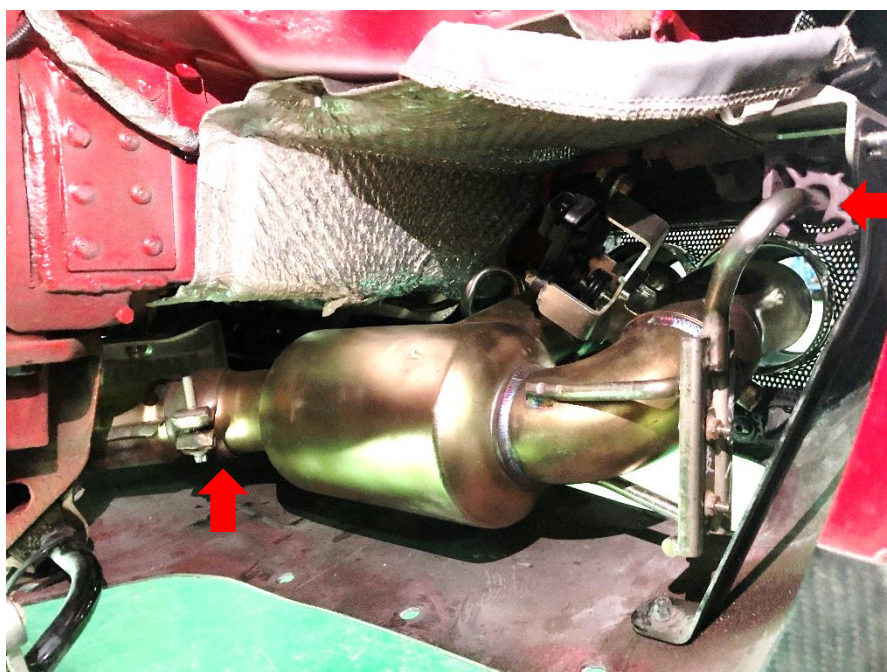


Fig. 16

11. Install the both side rear wheels and inner wheel arches in order to complete the exhaust installation (Fig 16)



Fig. 17